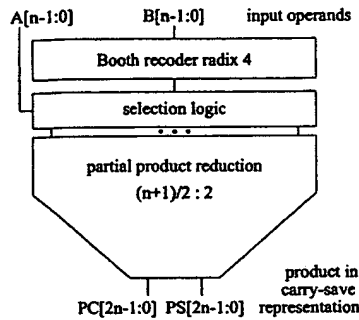Figure 1A
-Prior Art-
Block diagram of partial
product generation for
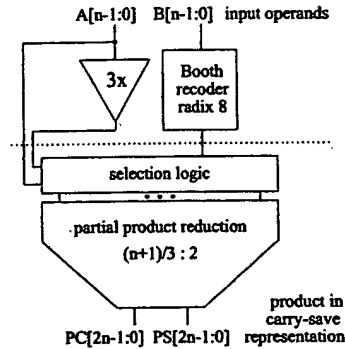prior art Booth radix-4
multiplier

Figure 1B
–Prior Art-
Block diagram of partial
product generation for
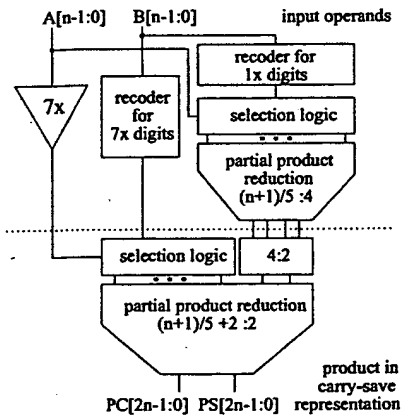prior art Booth radix-8
multiplier

Figure 2A
Simplified block
diagram of partial
product generation for
radix-32 recoding with
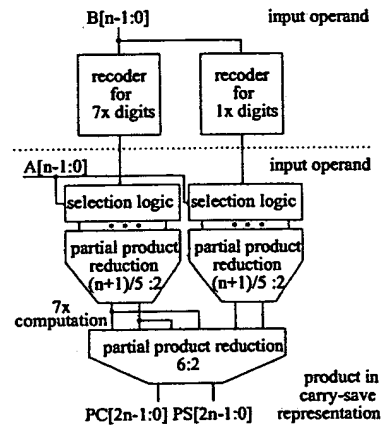precomputation of 7x
multiplicand

Figure 2B
Simplified block
diagram of partial
product generation for
preferred embodiment
radix-32 encoding with
postcomputation by 7x
multiplier